

Substitute Form PTO-1449 (Modified) Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.88(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 11112-002001	Application No. 09/392,869
	Applicant Nolan et al.		
	Filing Date September 9, 1999	Group Art Unit	

U.S. Patent Documents

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	5,932,664	Aug. 3, 1999	Chen et al.	525	338	
	AB	5,917,071	Jun. 29, 1999	Grubbs et al.	556	21	
	AC	5,831,108	Nov. 3, 1998	Grubbs et al.	556	21	
	AD	5,728,839	Mar. 17, 1998	Herrmann et al.	548	03	
	AE	5,728,785	Mar. 17, 1998	Grubbs et al.	526	142	
	AF	5,728,917	Mar. 17, 1998	Grubbs et al.	585	653	
	AG	5,750,815	May 12, 1998	Grubbs et al.	585	511	
	AH	5,710,298	Jan. 20, 1998	Grubbs et al.	556	22	
	AI	5,342,909	Aug. 30, 1994	Grubbs et al.	526	171	
	AJ	5,312,940	May 17, 1994	Grubbs et al.	556	136	
	AK	5,182,405	Jan. 26, 1993	Arduengo, III	548	335.1	

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AL ✓	WO 97/29135	14 Aug., 1997	PCT	—	—		
	AM ✓	WO 97/20865	12 June 1997	PCT	—	—		
	AN							
	AO							
	AP							

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	AQ ✓	Herrmann et al., "N-Heterocyclic Carbenes," Agnew. Chem. Int. Ed. Engl. 1997, 36, No. 19, 2162-2187.
	AR ✓	Arduengo, III et al., "Electronic Stabilization of Nucleophilic Carbenes," Journal of the American Chemical Society, July 1, 1992, Vol. 114, No. 14, 5530-5534.
	AS ✓	Nguyen et al., "Syntheses and Activities of New Single-Component...Catalysts," Journal of the American Chemical Society, October 20, 1993, Vol. 115, No. 21, 9858-9859.
	AT ✓	Fu et al., "Catalytic Ring-Closing Metathesis...Carbene Complex," Journal of the American Chemical Society, October 20, 1993, Vol. 115, No. 21, 9856-9857.

Examiner Signature 	Date Considered 9/27/00
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified) Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR 1.128(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 11112-002001	Application No. 09/392,869
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U.S. Patent Documents

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<i>[Signature]</i>	2A	5,146,033	Sep. 8, 1992	Schrock et al.	585	647	
<i>[Signature]</i>	2B	5,077,414	Dec. 31, 1991	Arduengo, III	548	335	
<i>[Signature]</i>	2C	4,681,956	Jul. 21, 1987	Schrock	556	12	
	2D						
	2E						
	2F						
	2G						
	2H						
	2I						
	2J						
	2K						

Foreign Patent Documents or Published Foreign Patent Applications

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							Yes	No
	2L							
	2M							
	2N							
	2O							
	2P							

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
<i>[Signature]</i>	2Q ✓	Schwab et al., "Synthesis and Applications of ...Metathesis Activity," Journal of the American Chemical Society, January 10, 1996, Vol. 118, No. 1, 100-110.
<i>[Signature]</i>	2R ✓	Dias et al., "Well-Defined Ruthenium...and Activity," Journal of the American Chemical Society, April 30, 1997, Vol. 119, No. 17, 3887-3897.
<i>[Signature]</i>	2S ✓	Ulman et al., "Relative Reaction...Carbene Metathesis Initiators," Organometallics, June 8, 1998, Vol. 17, No. 12, 2484-2489.
<i>[Signature]</i>	2T ✓	Dr. -Ing. H. W. Wanzlick, "Aspects of Nucleophilic Carbene Chemistry," Angew. Chem. Internat. Edit., Vol. 1 (1962), No. 2, 75-80.

Examiner Signature <i>[Signature]</i>	Date Considered 9/27/00
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Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR § 1.89(b))		Applicant Nolan et al.	
		Filing Date September 9, 1999	Group Art Unit

U.S. Patent Documents

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	3A						
	3B						
	3C						
	3D						
	3E						
	3F						
	3G						
	3H						
	3I						
	3J						
	3K						

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							Yes	No
	3L							
	3M							
	3N							
	3O							
	3P							

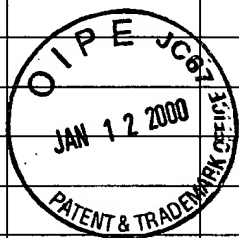
Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	3Q ✓	Gonzalez et al., "Synthesis of ... and Other Ligands," Journal of the American Chemical Society, 1988, Vol. 110, No. 13, 4419-4421.
	3R ✓	Gregory J. Kubas, "Molecular Hydrogen... Transition Metals," Accounts of Chemical Research, March 1988, Vol. 21, No. 3, 120-128.
	3S	
	3T	

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Substitute Form PTO-1449 (Modified) Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 11112-002001	Application No. 09/392,869
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U.S. Patent Documents							
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA						
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	AE						
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	AG						
	AH						
	AI						
	AJ						
	AK						



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Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AL ✓	96/04289A1	2/15/96	PCT	—	—	X	
	AM							
	AN							
	AO							
	AP							

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AQ ✓	Ivin, Kenneth J., Some recent applications of olefin metathesis in organic synthesis: A review, Journal of Molecular Catalysis A: Chemical. 1998, Vol. 133, No. 1-2, pp 1-16
	AR ✓	International Search Report, 23 Dec 1999
	AS	
	AT	

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